

\$%^STN;highlighton= ***;highlightoff=*** ;

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* * * * * welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 NOV 24 MSDS-CCOHS file reloaded
NEWS 4 DEC 08 CABA reloaded with left truncation
NEWS 5 DEC 08 IMS file names changed
NEWS 6 DEC 17 DGENE: Two new display fields added
NEWS 7 DEC 18 BIOTECHNO no longer updated
NEWS 8 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 9 DEC 22 ABI-INFORM now available on STN
NEWS 10 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 11 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAPlus
NEWS 12 FEB 05 German (DE) application and patent publication number format changes
NEWS 13 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 14 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 15 MAR 03 FRANCEPAT now available on STN
NEWS 16 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 17 MAR 29 WPIFV now available on STN
NEWS 18 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 19 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS world wide web site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:07:41 ON 09 APR 2004

=> fil registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'REGISTRY' ENTERED AT 20:09:00 ON 09 APR 2004

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STRUCTURE FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1
DICTIONARY FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s apicidin
L1 10 APICIDIN

=> d
L1 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN
RN 439859-08-2 REGISTRY
CN Cyclo[(2S)-2-amino-8-[(aminocarbonyl)hydrazono]decanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)
OTHER NAMES:
CN ***Apicidin Ia semicarbazone***
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C35 H52 N8 O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.
Double bond geometry unknown.

/ structure 1 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil .eliz
COST IN U.S. DOLLARS
FULL ESTIMATED COST
FILE 'MEDLINE' ENTERED AT 20:10:23 ON 09 APR 2004
FILE 'SCISEARCH' ENTERED AT 20:10:23 ON 09 APR 2004
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FILE 'LIFESCI' ENTERED AT 20:10:23 ON 09 APR 2004
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FILE 'BIOTECHDS' ENTERED AT 20:10:23 ON 09 APR 2004
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FILE 'BIOSIS' ENTERED AT 20:10:23 ON 09 APR 2004
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FILE 'EMBASE' ENTERED AT 20:10:23 ON 09 APR 2004
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	SINCE FILE ENTRY	TOTAL SESSION
	7.04	7.46

FILE 'NTIS' ENTERED AT 20:10:23 ON 09 APR 2004
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FILE 'WPIDS' ENTERED AT 20:10:23 ON 09 APR 2004
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=> s histone (2a)deacetylase
L2 18702 HISTONE (2A) DEACETYLASE

=> s histone (2w)deacetylase
L3 18687 HISTONE (2W) DEACETYLASE

=> s l3 (10a) class
L4 1035 L3 (10A) CLASS

=> s l3 (10a) human
10 FILES SEARCHED...
L5 1549 L3 (10A) HUMAN

=> s l5 (5a)(gene or sequence)
6 FILES SEARCHED...
L6 322 L5 (5A)(GENE OR SEQUENCE)

=> s l6 (10a) class
L7 18 L6 (10A) CLASS

=> dup rem l7
PROCESSING COMPLETED FOR L7
L8 9 DUP REM L7 (9 DUPLICATES REMOVED)

=> d 1-9

L8 ANSWER 1 OF 9 MEDLINE on STN DUPLICATE 1
AN 2004042684 MEDLINE
DN PubMed ID: 12920038
TI Induction of human gamma globin gene expression by histone deacetylase inhibitors.
AU Cao Hua; Stamatoiyannopoulos George; Jung Manfred
CS Medical Genetics, Box 357720, University of Washington, Seattle, WA 98195, USA.
NC DK45365 (NIDDK)
HL20899 (NHLBI)
SO Blood, (2004 Jan 15) 103 (2) 701-9.
Journal code: 7603509. ISSN: 0006-4971.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200402
ED Entered STN: 20040128
Last Updated on STN: 20040302
Entered Medline: 20040226

L8 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:532253 HCAPLUS
DN 139:97264
TI Class II human histone deacetylases (HDACs) and cDNAs, HDAC inhibitors and assays, and methods for altering mammalian cell behavior
IN Grozinger, Christina M.; Hassig, Christian A.; Schreiber, Stuart L.
PA USA
SO U.S. Pat. Appl. Publ., 82 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2003129724 A1 20030710 US 2001-800187 20010305
PRAI US 2000-186802P P 20000303
OS MARPAT 139:97264

L8 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:313954 HCAPLUS
DN 139:145582
TI Class II histone deacetylases: versatile regulators
AU Verdin, Eric; Dequiedt, Franck; Kasler, Herbert G.
CS Gladstone Institute of Virology and Immunology, University of California
San Francisco, San Francisco, CA, 94141, USA
SO Trends in Genetics (2003), 19(5), 286-293
CODEN: TRGEE2; ISSN: 0168-9525
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
RE.CNT 90 THERE ARE 90 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:198939 HCAPLUS
DN 136:351984
TI Isolation and characterization of a novel class II histone deacetylase,
HDAC10
AU Fischer, Denise D.; Cai, Richard; Bhatia, Umesh; Asselbergs, Fred A. M.;
Song, Chuangzheng; Terry, Robert; Trogani, Nancy; Widmer, Roland; Atadja,
Peter; Cohen, Dalia
CS Department of Functional Genomics, Novartis Pharmaceuticals, Summit, NJ,
07901, USA
SO Journal of Biological Chemistry (2002), 277(8), 6656-6666
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:207136 HCAPLUS
DN 136:365711
TI Identification of HDAC10, a novel class II human histone deacetylase
containing a leucine-rich domain
AU Tong, Jenny J.; Liu, Jianhong; Bertos, Nicholas R.; Yang, Xiang-Jiao
CS Molecular Oncology Group, Department of Medicine, McGill University Health
Center, Montreal, QC, H3A 1A1, Can.
SO Nucleic Acids Research (2002), 30(5), 1114-1123
CODEN: NARHAD; ISSN: 0305-1048
PB Oxford University Press
DT Journal
LA English
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:352501 HCAPLUS
DN 133:146868
TI Cloning and characterization of a novel human class I histone deacetylase
that functions as a transcription repressor
AU Hu, Erding; Chen, Zunxuan; Fredrickson, Todd; Zhu, Yuan; Kirkpatrick,
Robert; Zhang, Gui-Feng; Johanson, Kyung; Sung, Chiu-Mei; Liu, Ronggang;
Winkler, James
CS Department of Renal Pharmacology, SmithKline Beecham Pharmaceuticals, King
of Prussia, PA, 19403, USA
SO Journal of Biological Chemistry (2000), 275(20), 15254-15264
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 9 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 2
AN 2000:491924 SCISEARCH
GA The Genuine Article (R) Number: 327UH
TI The histone deacetylase-3 complex contains nuclear receptor corepressors
AU Wen Y D; Perissi V; Staszewski L M; Yang W M; Kronen A; Glass C K;

Rosenfeld M G; Seto E (Reprint)
 CS UNIV S FLORIDA, H LEE MOFFIT CANC CTR & RES INST, TAMPA, FL 33612
 (Reprint); UNIV S FLORIDA, H LEE MOFFIT CANC CTR & RES INST, TAMPA, FL
 33612; UNIV S FLORIDA, DEPT CHEM, TAMPA, FL 33612; UNIV CALIF SAN DIEGO,
 HOWARD HUGHES MED INST, DEPT & SCH MED, LA JOLLA, CA 92093
 CYA USA
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
 AMERICA, (20 JUN 2000) Vol. 97, No. 13, pp. 7202-7207.
 Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
 20418.
 ISSN: 0027-8424.
 DT Article; Journal
 FS LIFE
 LA English
 REC Reference Count: 30
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L8 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:306515 HCAPLUS
 DN 131:112990
 TI Three proteins define a class of human histone deacetylases related to
 yeast Hda1p
 AU Grozinger, Christina M.; Hassig, Christian A.; Schreiber, Stuart L.
 CS Departments of Chemistry and Chemical Biology and Molecular and Cellular
 Biology, Harvard University, Cambridge, MA, 02138, USA
 SO Proceedings of the National Academy of Sciences of the United States of
 America (1999), 96(9), 4868-4873
 CODEN: PNASA6; ISSN: 0027-8424
 PB National Academy of Sciences
 DT Journal
 LA English
 RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:650463 HCAPLUS
 DN 127:315587
 TI Human histone deacetylase genes and their protein interactions and uses
 for the inhibition of cellular proliferation and drug screening
 IN Schreiber, Stuart L.; Taunton, Jack; Hassig, Christian A.; Jamison,
 Timothy F.
 PA President and Fellows of Harvard College, USA; Schreiber, Stuart L.;
 Taunton, Jack; Hassig, Christian A.; Jamison, Timothy F.
 SO PCT Int. Appl., 159 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9735990	A2	19971002	WO 1997-US5275	19970326
	WO 9735990	A3	19980326		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9729905	A1	19971017	AU 1997-29905	19970326
PRAI	US 1996-624735	A	19960326		
	WO 1997-US5275	W	19970326		
OS	MARPAT 127:315587				

=> d ab

L8 ANSWER 1 OF 9 MEDLINE on STN DUPLICATE 1
 AB We investigated the induction of ***human*** gamma globin ***gene***
 activity by 3 ***classes*** of ***histone*** ***deacetylase***
 inhibitors: amide analogues of trichostatin A, hydroxamic acid analogues
 of trapoxin, and scriptaid and its analogues. The screening consisted of
 measuring the effects of these compounds on gamma and beta human gene
 promoter activity by using cultures of GM979 cells stably transfected with
 a construct containing a gamma promoter linked to firefly luciferase and a

beta promoter linked to renilla luciferase. Compounds belonging to all 3 classes induced gamma gene promoter activity in the screening assay in low micromolar concentrations. Histone deacetylase (HDAC) inhibitors increased acetylation of histone H4 and induced the expression of endogenous murine embryonic genes. They also increased the levels of gamma mRNA and the frequency of fetal hemoglobin-containing erythroblasts in erythroid burst-forming unit (BFUE) cultures from healthy adult individuals. Compounds that displayed very similar degrees of inhibition of the HDAC activity in an HDAC enzymatic assay differed strikingly on their effects on gamma gene promoter activity, raising the possibility of selectivity of HDACs that interact with the gamma globin gene chromatin.

=> fil registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

28.94

36.40

FILE 'REGISTRY' ENTERED AT 20:15:47 ON 09 APR 2004

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STRUCTURE FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1

DICTIONARY FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s trichostatin

L9 10 TRICHOSTATIN

=> d

L9 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN

RN 403507-74-4 REGISTRY

CN 2,4-Heptadienamide, 7-[4-(dimethylamino)phenyl]-N,4,6-trimethyl-7-oxo-, (2E,4E)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN ***Trichostatin RK***

FS STEREOSEARCH

MF C18 H24 N2 O2

SR CA

LC STN Files: BIOSIS, CA, CAPLUS

Double bond geometry as shown.
Currently available stereo shown.

/ Structure 2 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

=> s trapoxin

L10 3 TRAPOXIN

=> d

L10 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN
RM 183609-51-0 REGISTRY
CN Cyclo[(.alpha.S,2S)-.alpha.-amino-.eta.-oxooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Cyclo(.eta.-oxo-L-.alpha.-aminooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl), (S)-
OTHER NAMES:
CN ***[2H]-Trapoxin B***
FS PROTEIN SEQUENCE; STEREOSEARCH
DR 197631-19-9
MF C33 H39 N4 O6 T
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

/ Structure 3 in file .gra /

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s scriptaid
L11 1 SCRIPTAID

=> d

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 287383-59-9 REGISTRY
CN 1H-Benz[de]isoquinoline-2(3H)-hexanamide, N-hydroxy-1,3-dioxo- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN ***Scriptaid***
CN Scriptide
FS 3D CONCORD
MF C18 H18 N2 O4
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, TOXCENTER, USPAT2, USPATFULL

/ Structure 4 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> dis his

(FILE 'HOME' ENTERED AT 20:07:41 ON 09 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:09:00 ON 09 APR 2004
L1 10 S APICIDIN

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 20:10:23 ON 09 APR 2004

L2 18702 S HISTONE (2A)DEACETYLASE
L3 18687 S HISTONE (2W)DEACETYLASE
L4 1035 S L3 (10A) CLASS
L5 1549 S L3 (10A) HUMAN
L6 322 S L5 (5A)(GENE OR SEQUENCE)
L7 18 S L6 (10A) CLASS
L8 9 DUP REM L7 (9 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 20:15:47 ON 09 APR 2004

L9 10 S TRICHOSTATIN
L10 3 S TRAPOXIN
L11 1 S SCRIPTAID

=> log h
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
19.86	56.26

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 20:17:25 ON 09 APR 2004